

**TOP SECRET**

DATA CENTER OPERATIONS BRANCH

NDS OPERATIONS PROCEDURE MANUAL  
NO. P-I005

APPLICATIONS SOFTWARE  
13 April 1983

INSTALLATIONS DATA FILE EXCHANGE 1

SYMBOLIC TITLE: IDFEX1

PROGRAMMER:

25X1

**TOP SECRET**

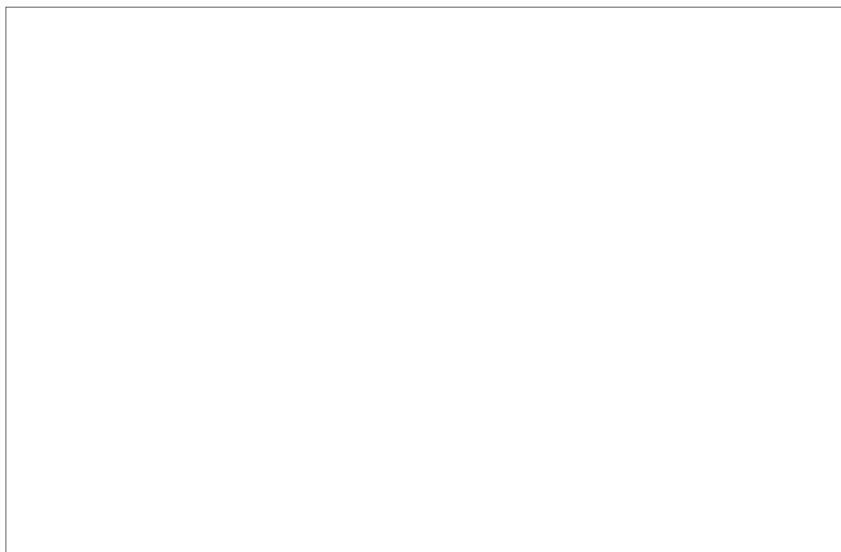
**TOP SECRET**

Program IDFEX1

Date 12 June 1981

**APPROVALS**

This operations manual has been reviewed and approved by the following persons:



4 Feb 82  
(date)

2/4/82  
(date)

25X1

**TOP SECRET**

**TOP SECRET**

Program IDFEX1

Date 12 June 1981

**CONTENTS**

	<u>Page</u>
SUMMARY	1
OPERATIONAL FLOW CHART	2
COMPUTER RUN PREPARATION	5
PUNCHED CARD INPUT	5
MAGNETIC TAPE OUTPUT	8
OUTPUT TAPE FORMAT	9
NORMAL RUN INSTRUCTIONS (EXAMPLES)	10
ABNORMAL RUN INSTRUCTIONS	11

**TOP SECRET**

**TOP SECRET**Program IDFEX1Date 12 June 1981**SUMMARY**

The IDFEX1 program was written to replace the IDF Exchange programs on the Univac 494 computer. IDFEX1 will extract certain data direct from the IDF and create a tape. The output data format and record types are in the document Installations Data File - Magnetic Tape Format, April 1981, [ ] N40404. This information is sent to other users in the Intelligence Community. (Currently CIA/OSR and DIA/MIA are our only users).

25X1

IDFEX1 will extract directly from the IDF. The requestor must specify what records are to be retrieved. One or all can be selected. Also, the user must specify a range of MRN numbers to do the retrieval on. This extracted data is formatted on the requestors tape and sent to the requestor.

IDFEX1 provides the capability for the user to specify what type of data is to be extracted. 'MI' and 'KH', 'Aircraft' or both types of data may be selected by the user. There are eight IDF records that the user can specify - TGT-HDR, TGT-COLL, TGT-GEN-REF, TGT-STA-DES, TGT-DEF-SEC, TGT-OB, TGT-PHOT, and TGT-PRFL. These must be specified.

IDFEX1 must be restarted completely; it can be rerun at anytime.

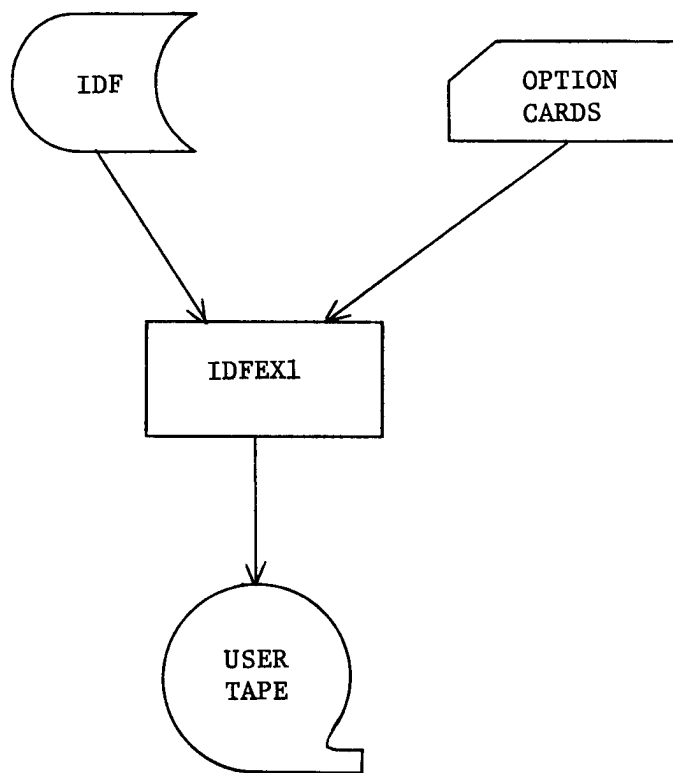
The IDFEX1 program is coded in ASCII COBOL and uses DMS for file processing.

**TOP SECRET**

TOP SECRET

Date 12 June 1981

OPERATIONAL FLOW CHART



'NDS 13 (SYS) IDFEX1'

TOP SECRET

Date 12 June 1981

Format:

[illegible]

Z = optional character (letter of numeral)  
 & = plus  
 - = minus  
 S = special character

<u>Field</u>	<u>Column</u>	<u>Comments</u>
RESTART-OPTION = 'Y' *	1	Indicates program to be restarted
TGT-HDR = 'Y'	3	All TGT-HDR records to be processed
TGT-COLL = 'Y'	4	All TGT-COLL records to be processed
TGT-GEN-REF = 'Y'	5	All TGT-GEN-REF records to be processed
TGT-STA-DES = 'Y'	6	All TGT-STA-DES records to be processed
TGT-DEF-SEC = 'Y'	7	All TGT-DEF-SEC records to be processed
TGT-OB = 'Y'	8	All TGT-OB records to be processed
TGT-PHOT = 'Y'	9	All TGT-PHOT records to be processed
TGT-PRFL = 'Y'	10	All TGT-PRFL records to be processed
PROCESS-OPTION = 'N'	13	Data is to be processed without the mass storage file or input. Range must be specified
DATA-TYPE = 1, 2, 3	16	1 = only Aircraft data to be processed
	5	2 = only MI and KH data to be processed
		3 = all data is to be processed
* OTHERWISE FIELD LEFT BLANK		

**TOP SECRET**

TOP SECRET

Program IDFEX1Date 12 June 1981

## COMPUTER RUN PREPARATION (Continued)

## PUNCHED CARD INPUT (Continued)

Type:

Identification:

Format:

N = numeral  
 A = letter  
 X = any legitimate character  
       in card code

Z = optional character (letter of  
                           numeral)  
 & = plus  
 - = minus  
 S = special character

<u>Field</u>	<u>Column</u>	<u>Comments</u>
MRN RANGE-BEGIN	19-24	- Used to process a range of MRNs.
MRN RANGE-END	25-30	- If Process-Option field is used, these fields must contain the MRN number to begin processing and the MRN number to end processing.
		- If Process-Option field is blank, these fields must also be blank.

TOP SECRET

**TOP SECRET**Program IDFEX1Date 12 June 1981

## PUNCHED CARD INPUT (Continued)

<u>Field</u>	<u>Column</u>	<u>Comments</u>
Beginning Range	19-24	Beginning Range of MRN's
End Range	25-30	Ending Range of MRN's

Source: Card is to be created by DCOB

Sequence: Card must follow '@XQT' statement in operational runstream

Restrictions: ~~Only one~~ <sup>MULTIPLE</sup> input cards <sup>CAN BE USED</sup> ~~per run~~

Peripheral Device: Card-Reader

Quantity: 1

Disposition:

**TOP SECRET**



TOP SECRET

Program IDFEX1

Date 12 June 1981

MAGNETIC TAPE OUTPUT

Contents and Description of Tape Data

Unit

Standard Tape Label: 'NDS 13 (SYS) IDFEX1'  
(to be inserted by programmer)

---

Label Block File Name:

Mode: PASC

Code:

Record and Block Size: 240 characters/record  
50 record/block

File Sequence: Sequential

Source Component:

Disposition:

Retention Period:

Restrictions:

Quantity:

TOP SECRET

**TOP SECRET**

Program IDFEX1

Date 12 June 1981

OUTPUT TAPE FORMAT

See the Installations Data File - Magnetic Tape Format, April 1981,  
 N40404.

25X1

**TOP SECRET**

TOP SECRET

Program IDFEX1Date 12 June 1981

## NORMAL RUN INSTRUCTIONS

Initiation:

Monitor:

<u>Message</u>	<u>Cause</u>	<u>Operator Action</u>
Operator, enter output real number of this run EX*01234	Program requires tape number	Enter tape number (See next page for example of console message)
_____ were input to the sort		
_____ were output to the sort		
_____ were duplicate records and not processed'		
_____ records put in the IDFHISTEX from the sort		
Sort is not complete	Statistics from Sort Routine of the IDFHISTEX Task	None
Task is not complete	Statistics from the IDFHISTEX Program	None

TOP SECRET

TOP SECRET

Program IDFEX1Date 12 June 1981

## ABNORMAL RUN INSTRUCTIONS

## Messages:

<u>Message</u>	<u>Cause</u>	<u>Operator Action</u>
No control card in run deck for this run	User did not insert a control card in runstream	Insert the control card following the @XQT statement, restart runstream
Invalid range on input card	End-range was greater than beginning range	Correct range on control card and restart runstream
Range on input card not numeric	Range on input card not a numeric ending	Correct range on control card and restart runstream
EOF reached in IDHISTEX file	Abnormal end of file	Notify CSD
Total records = _____		
Fatal data base error Record was _____ Key was _____ Error-Status = _____	A fatal data base error	Notify CSD
Data base key for _____ was bad Error status = _____ <i>m</i> <del>Run</del> was _____ Record-Type = _____ Program continues	Invalid data base key	Notify CSD
Error on impact	DMS error occurred while imparting	Restart run, if error occurs again notify CSD
Error on open for retrieval	DMS error occurred while opening	Restart run, if error occurs again notify CSD
No IDFHISTEX Tape	Program error trying to read write to output tape	Notify CSD
Reel number was not a numeric entry	Operator entered an illegal output reel number	Enter correctly
Pls Reenter		

TOP SECRET

TOP SECRET

Program IDFEX1Date 12 June 1981

## ABNORMAL RUN INSTRUCTIONS (Continued)

<u>MESSAGE</u>	<u>CAUSE</u>	<u>OPERATOR ACTION</u>
Reel number was spaces Please Reenter	Operator entered spaces or zeros for output reel number	Enter correctly
Unable to locate a TGT-HDR Record with min _____	Program error	Notify CSD
Invalid key on Read	Program error	Notify CSD
Invalid key on Write	Program error	Notify CSD
Error sort counts not equal Sort in = _____ Sort out = _____	Program error	Notify CSD
Illegal data base key for _____	Data base error	Notify CSD; save printed output for CSD rep.
Error Status = _____ MRN number was _____ Record type was _____ Processing continues _____		

Error/Fault:

TOP SECRET

**TOP SECRET**Date 12 June 1981

## COMPILE-MAP RUNSTREAM

```
1:@RUN IDFEX1,S33741069/MARYAD,XAL
2:@DELETE,C XAU*C-IDFEX1.
3:@ASE,UP XAU*C-IDFEX1.
4:@ADD XAU*WSRUN.IDFEX1/USES
5:@ERS TPF$.
6:@USE C-IDFEX1.,XAU*C-IDFEX1.
7:@SYM,D PRINT$
8:@BRKPT PRINT$/C-IDFEX1
9:@ASE,AX SOURCEFILE.
10:@COPY,S SOURCEFILE.IDFEX1,TPF$.
11:@FREE SOURCEFILE.
12:@ASG,A NDS*PRODSHEMA.
13:@ADMLP,ZE TPF$.IDFEX1,TPF$.IDFEX1
14:@ACOB,ES TPF$.IDFEX1,TPF$.IDFEX1
15:@ASE,AX RELFILE.
16:@COPY,R TPF$. ,RELFIL.
17:@PACK RELFILE.
18:@FREE RELFILE.
19:@BRKPT PRINT$
20:@SYM,D PRINT$
21:@FIN
```

**TOP SECRET**

**SECRET**

Program 12. EX1

Date 12 June 1981

**SAMPLE RUNSTREAM**

1:@RUN IDFEX1,S33741069/MARYAD,XAU  
2:@ASG,AX XAU\*P\$ABS.  
3:@ERS TPF\$.  
4:@COPY,A XAU\*P\$ABS.IDFEX1,TPF\$.  
5:@FREE XAU\*P\$ABS.  
6:@ASG,TJ HISTAP,U9V/////Q  
7:@XQT TPF\$.IDFEX1  
8: Y YY YY N 3 003550003557  
9:@FIN

**SECRET**